

WINTER STORM FEBRUARY 28-29 2012

A winter storm moved through Southwest Lower Michigan between the late evening of Tuesday, February 28th and the mid-morning hours of February 29th. The storm brought up to a tenth of an inch freezing rain to locations north of interstate 96 during the early morning hours of the 29th. Heavy wet snow fell over the northern sections of Osceola and Clare Counties (Figure 1). In that area the snowfall was reported to be 3 to 4 ½ inches as of 7 AM this morning. South of that rainfall of between ¼ and a ¾ inch was reported (Figure 2).

This resulted icy back roads that in turn caused numerous schools closing and 2 hour delays north of a line from Muskegon to Grand Rapids to Ionia to St. Johns. Consumer Energy reported up to 11,000 lost power in parts of Kent and Ottawa Counties during the height of the storm.

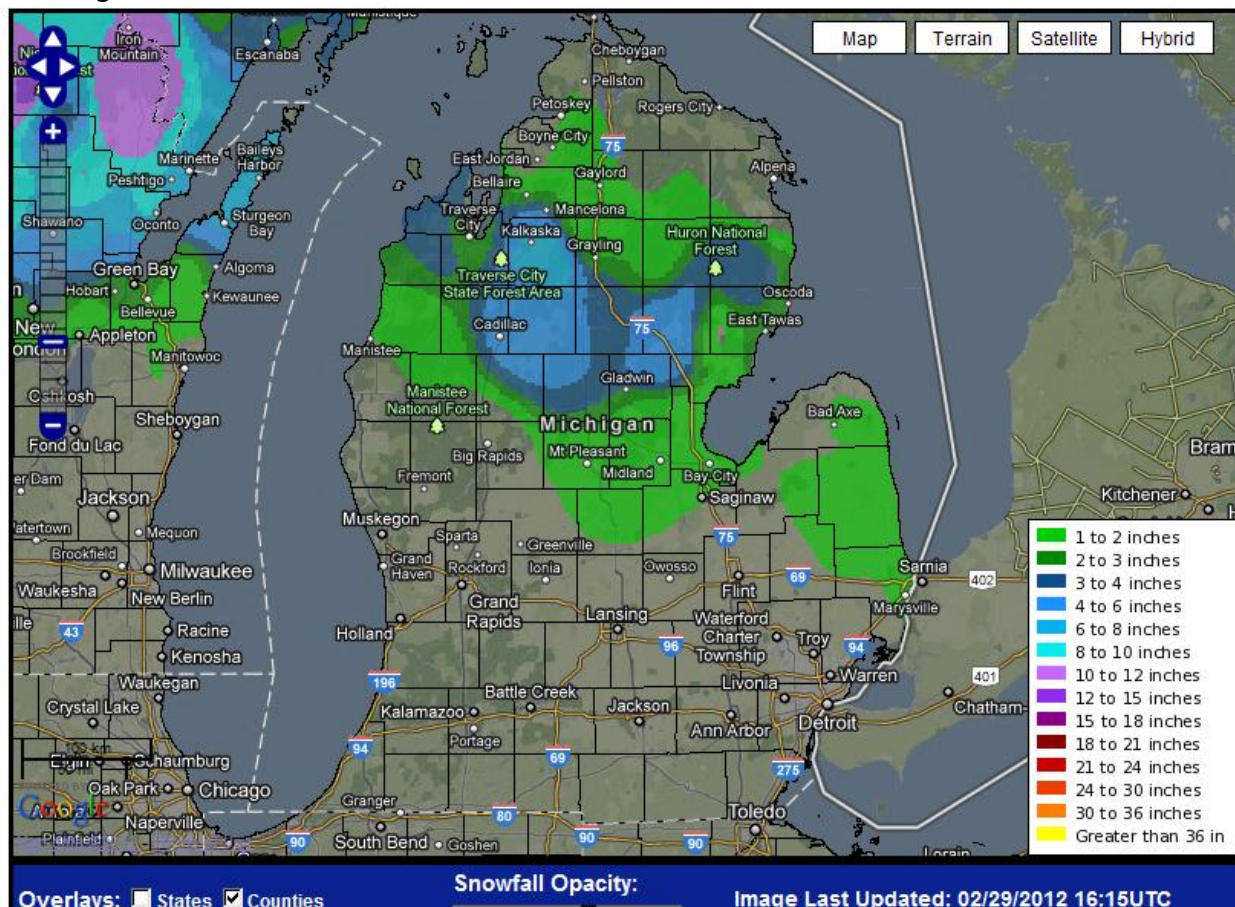


Figure 1. The storm total snowfall through 7 AM February 29th.

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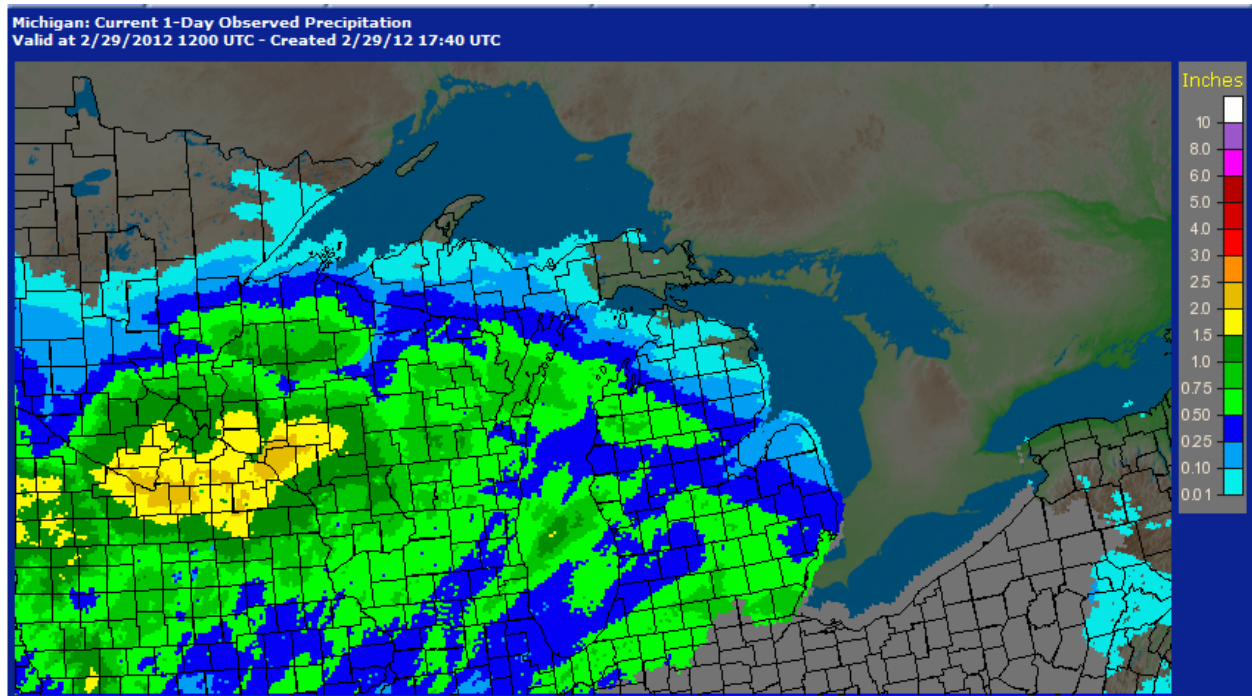


Figure 2. The storm total precipitation through 7 AM February 29th.

Below are radar images, about three hours apart, as the precipitation moved into the area after 9 PM in the evening. The imaged continue through 11 AM Wednesday.

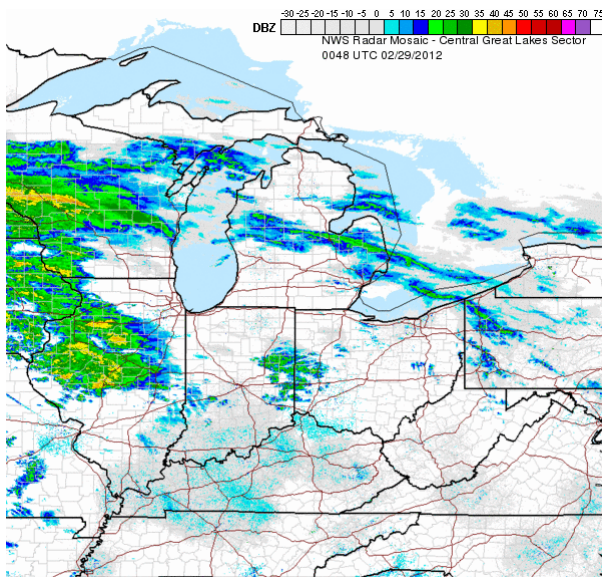


Figure 3. The radar at 7:48 PM.

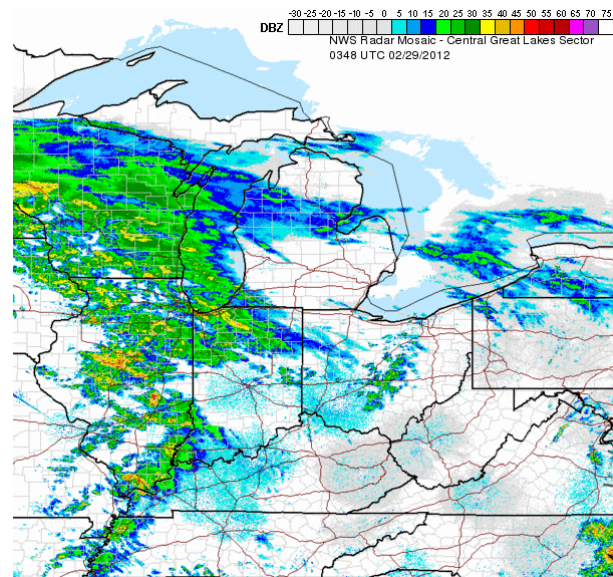


Figure 4. The radar at 10:48 PM

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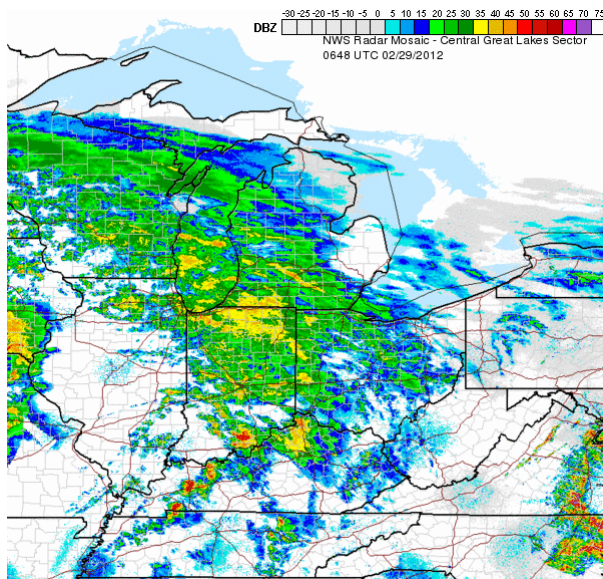


Figure 5. The radar at 1:48 AM

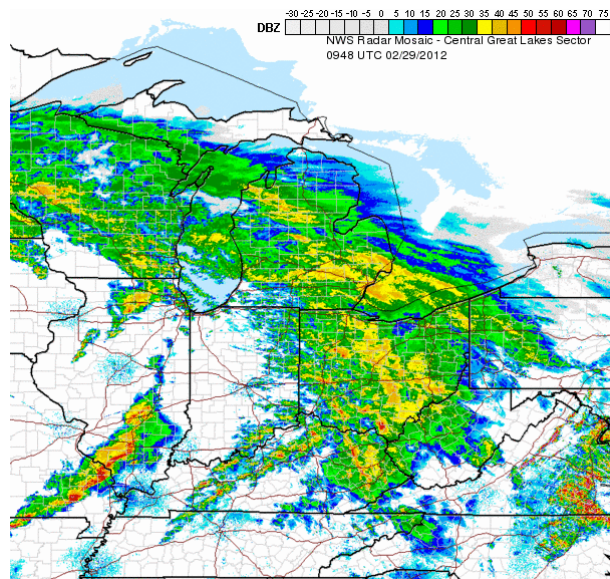


Figure 6. The radar at 4:48 AM.

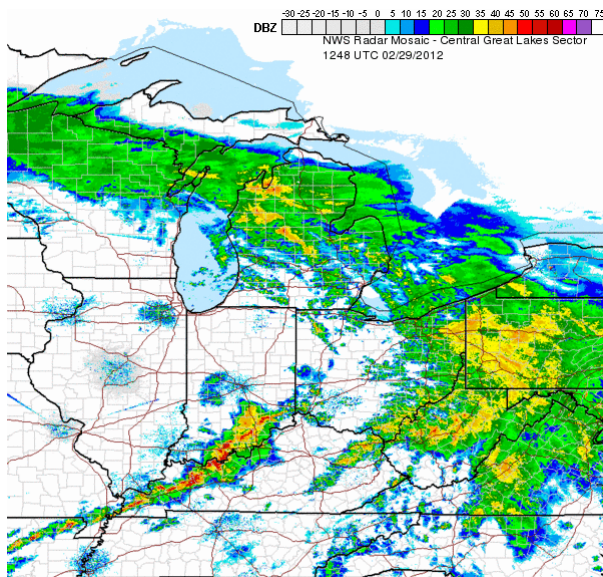


Figure 7. The radar at 7:48 AM

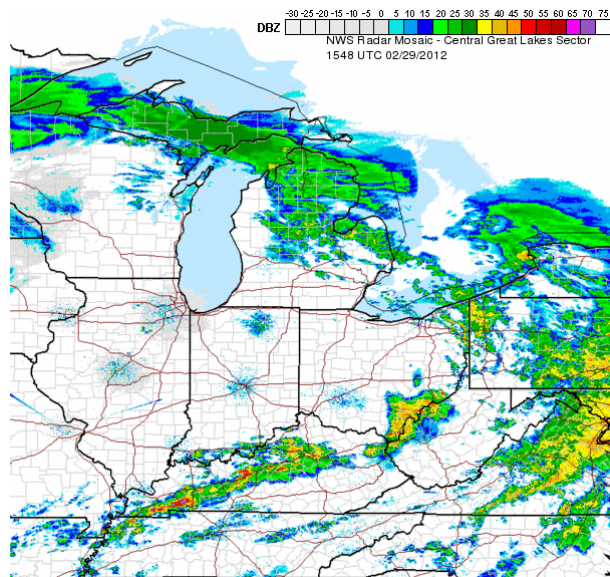


Figure 8. The radar at 10:48 AM.

PRELIMINARY LOCAL STORM REPORT...SUMMARY
NATIONAL WEATHER SERVICE GRAND RAPIDS MI

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1224 PM EST WED FEB 29 2012

.TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON
.DATE...MAG....	..COUNTY LOCATION..ST..	...SOURCE.
..REMARKS..			
0701 AM 02/29/2012	HEAVY RAIN E0.51 INCH	EAST GRAND RAPIDS KENT MI	42.94N 85.61W CO-OP OBSERVER
0701 AM 02/29/2012	SNOW M0.1 INCH	WHITE CLOUD NEWAYGO MI	43.57N 85.77W CO-OP OBSERVER
0749 AM 02/29/2012	SNOW M0.6 INCH	ALMA GRATIOT MI	43.38N 84.66W CO-OP OBSERVER
0814 AM 02/29/2012	FREEZING RAIN E0.00 INCH	ADA KENT MI	42.95N 85.49W NWS EMPLOYEE
THIN GLAZE OF ICE ON MOST OBJECTS.			
0835 AM 02/29/2012	SNOW M4.5 INCH	DIGHTON OSCEOLA MI	44.09N 85.35W BROADCAST MEDIA
STORM TOTAL SNOWFALL.			
0845 AM 02/29/2012	FREEZING RAIN E0.10 INCH	ST. JOHNS CLINTON MI	43.00N 84.56W TRAINED SPOTTER
ICE ACCUMULATION ON TREES AND SHRUBS. ROADS AND SIDEWALKS OK			
0849 AM 02/29/2012	SNOW M0.1 INCH	IONIA IONIA MI	42.98N 85.06W CO-OP OBSERVER
ICE/GLAZE			
0849 AM 02/29/2012	SNOW M0.2 INCH	SCOTTVILLE MASON MI	43.95N 86.28W CO-OP OBSERVER
0900 AM 02/29/2012	SNOW M3.0 INCH	CLARE CLARE MI	43.82N 84.76W PUBLIC
NEAR WHITEOUT CONDITIONS EARLY THIS MORNING. PRECIPITATION SWITCHED TO FREEZING RAIN AS OF 9 AM			
1015 AM 02/29/2012	NON-TSTM WND DMG 5 SE BIG RAPIDS MECOSTA	MI	43.65N 85.42W COUNTY OFFICIAL
A COUPLE OF TREES DOWN IN THE AREA.			
1130 AM 02/29/2012	SNOW E4.5 INCH	HARRISON CLARE MI	44.02N 84.80W COUNTY OFFICIAL

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1130 AM	SNOW	PARIS	43.77N 85.50W
02/29/2012	E0.5 INCH	MECOSTA	MI COUNTY OFFICIAL

SNOW AND ICE MIXTURE

1130 AM	SNOW	BALDWIN	43.90N 85.85W
02/29/2012	E2.0 INCH	LAKE	MI COUNTY OFFICIAL

SNOW AND SLEET ACCUMULATION

1215 PM	SNOW	MOUNT PLEASANT	43.60N 84.78W
02/29/2012	E2.5 INCH	ISABELLA	MI COUNTY OFFICIAL